Control type:	Chemical Class	Example:	Trade Name(s):	Target Stage:	Mode of Action	Application:	LD 50(injestion):
Natural	Natural control	Gambusia holbrooki	n/a	Larvae	Eats larvae	ponds, bodies of water	n/a
		Bacillus thuringensis	Vectobac	Larvae	Mid-gut paralysis	land/water	>5000 mg/Kg
		Bacillus sphaericus		Larvae			
Oil		Mineral oil	Bonide	Larvae	Suffocation of larvae	Water	>20,000 mg/Kg
Synthetic chemical	Organophosphate	Malathion	Fyfanon	Adult	Colinestrase inhibitor.	fogging (air/land)	1522-1945 mg/Kg
		Dibrom	Naled	Adult	Colinestrase inhibitor.	fogging (air/land)	230-325 mg/Kg
		Temephos	Abate	Larvae	Colinestrase inhibitor.	granulated	444 mg/Kg

^{*} The toxicity to humans' category uses rating nomenclature from the EPA toxicity rating scale, which is based on the LD50. This Scale is on the bottom of Page 2.

^{** 1/2} life values provided are applacable for soil. Please note different types of soil can result in different 1/2 lives.

Toxicity to Humans*	Adverse human effect:	Toxicity to other fauna:	Environmental persistance in soil**:	In Use?
-			live predator. Pop will decrease as	
None	none	None	food decreases	Yes
None	none	May be toxic to bees	1/2 Life = 4 months	Yes
very low	none	fish (if misapplied)		Yes
low	High doses dermal contact: skin irritation,rash (inhalation/injestion): dizzy, nausea, tremors, convulsions	aquatic invertebrates, fish and other insects	1/2 life = 1-8 Days	No
Low	High doses dermal contact: skin irritation,rash (inhalation/injestion): dizzy, nausea, tremors, convulsions	aquatic invertebrates, fish and other insects	1/2 life = 1 Days	No
	High doses dermal contact: skin irritation, rash (inhalation/injestion): dizzy, nausea, tremors,	aquatic invertebrates, fish and		
Very Low	convulsions	other insects	1/2 life = 21 Days	Yes

Toxicity Label	High Tocicity Danger	Moderate Toxicity Warning	Low Toxicity Caution	Very Low toxicity Caution
Oral LD50	< 50 mg/Kg	50-500 mg/Kg	500-5000 mg/Kg	> 5000 mg/Kg
Dermal LD50	< 200 mg/Kg	200-2000 mg/Kg	2000-5000 mg/Kg	>5000 mg/Kg
Inhalation LD50	< 0.05 mg/Kg	0.05-0.5 mg/L	0.5 - 2 mg/L	>2 mg/L
Eye Effects	Corrosive	irritation lasts 7 Days	Irritation reversible within 7 days	Minimal effects gone in 24 hours
Skin Effects	Corrosive	Severe irritation at 72 hours	Moderate irritation at 72 hours	Mild or slight irritation

Control type:	Chemical Class	Example:	Trade Name(s):	Target Stage:	Mode of Action	Application:	LD 50(injestion):
Synthetic Chemical	Insect growth regulator	Methoprene	Altosid	Larvae	Mimics natural insect growth regulators, adults do not develop	granules/ bodies of water	>34000mg/Kg
Chemical		Natural Pyrethrins	various	Adult	Central nervous system, disrupts ion potential, prevents neurotransmitter uptake	fogging (air/land)	1500 mg/Kg
Synthetic chemical		Resmethrin	various	Adult	see Pyrethrin	fogging (air/land)	1244-4240 mg/Kg
Synthetic chemical		Sumithrin	Anvil	Adult	see Pyrethrin	fogging (air/land)	>5000 mg/Kg
Synthetic chemical		Permethrin	Masterline Kontrol	Adult	see Pyrethrin	fogging (air/land)	500-4000 mg/Kg

Toxicity to Humans *:	Adverse human effect:	Toxicity to other fauna:	Environmental persistance in soil:	In Use?
very low	Dermal contact: skin irritation,rash High doses (inhalation/injestion): dizzy, nausea, tremors, convulsions	aquatic invertebrates, fish and other insects	1/2 Life = 10 Days	Yes
very lett	CONVENIENCE		172 Ello — To Bayo	1.00
	skin: irritation, blisters			
	Inhalation: coughing,	aquatic invertebrates, fish and	1/2 life = 12 Days(soil), 1-2 days	
Very Low	wheezing, chest pain	other insects	(surface, water)	No
	skin: irritation, blisters			
	Inhalation: coughing,	aquatic invertebrates, fish and	1/2 life = 12 Days(soil), 1-2 days	
slight	wheezing, chest pain	other insects	(surface, water)	No
	skin: irritation, blisters			
	Inhalation: coughing,	aquatic invertebrates, fish and	1/2 life = 12 Days(soil), 1-2 days	
slight	wheezing, chest pain	other insects	(surface, water)	Yes
	skin: irritation, blisters			
	Inhalation: coughing,	aquatic invertebrates, fish and	1/2 life = 12 Days(soil), 1-2 days	
moderate	wheezing, chest pain	other insects	(surface, water)	Yes